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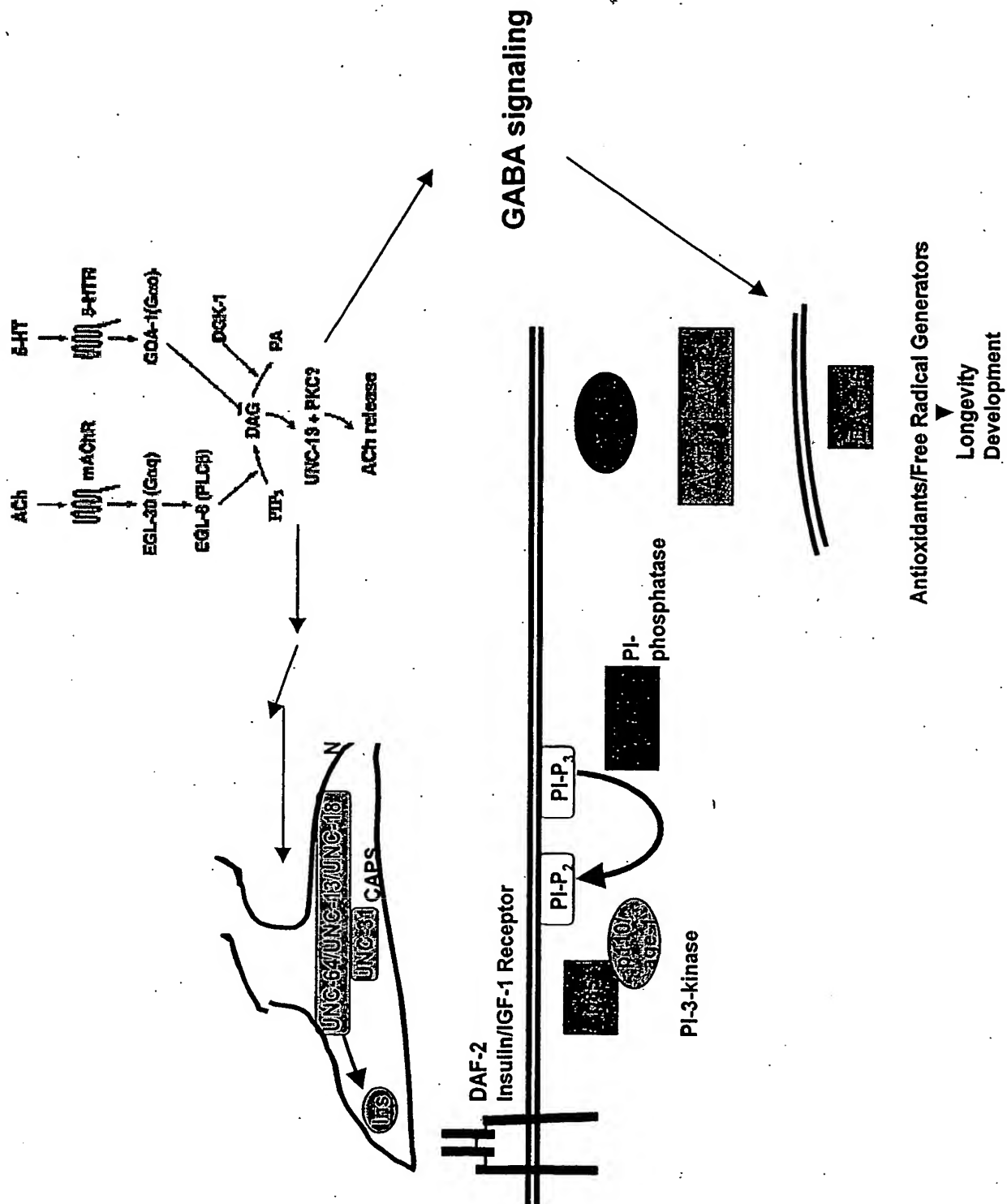
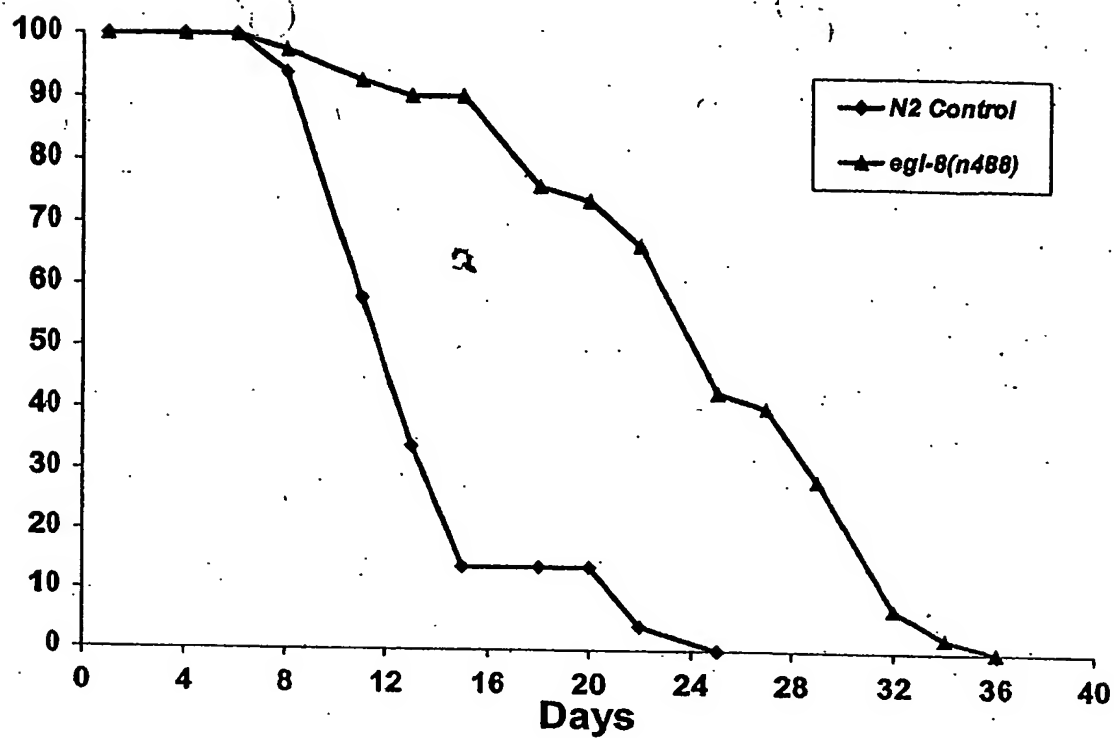


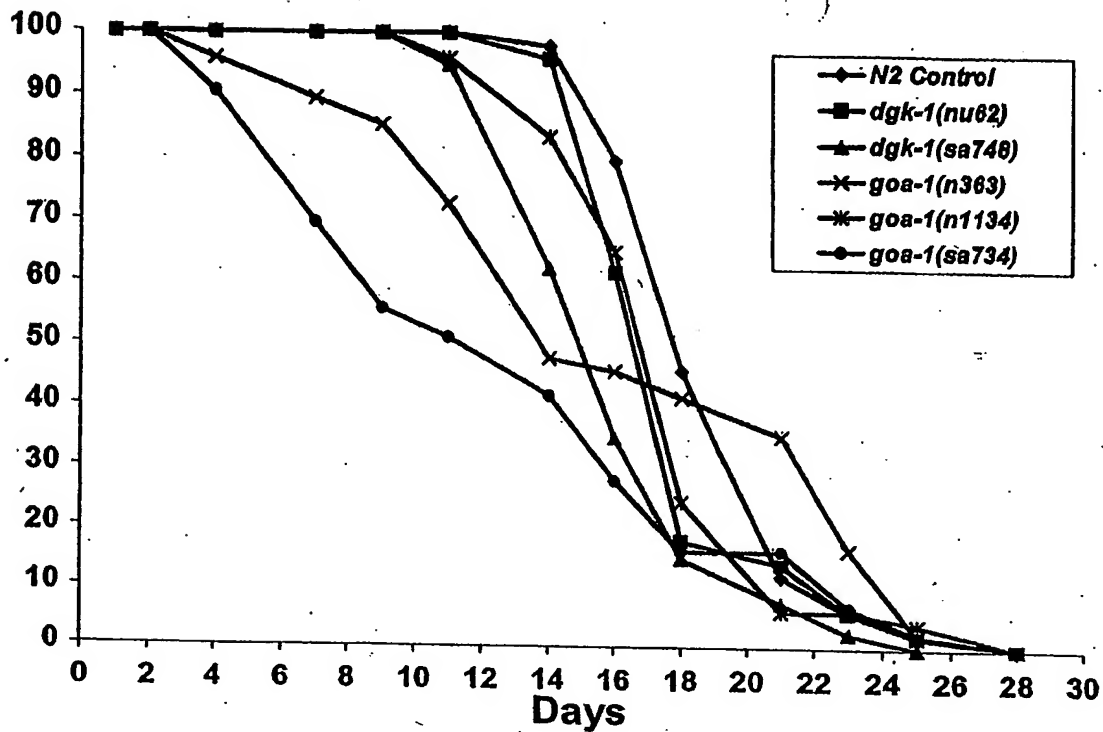
Figure 1.



N2: 13.8 ± 0.6 days

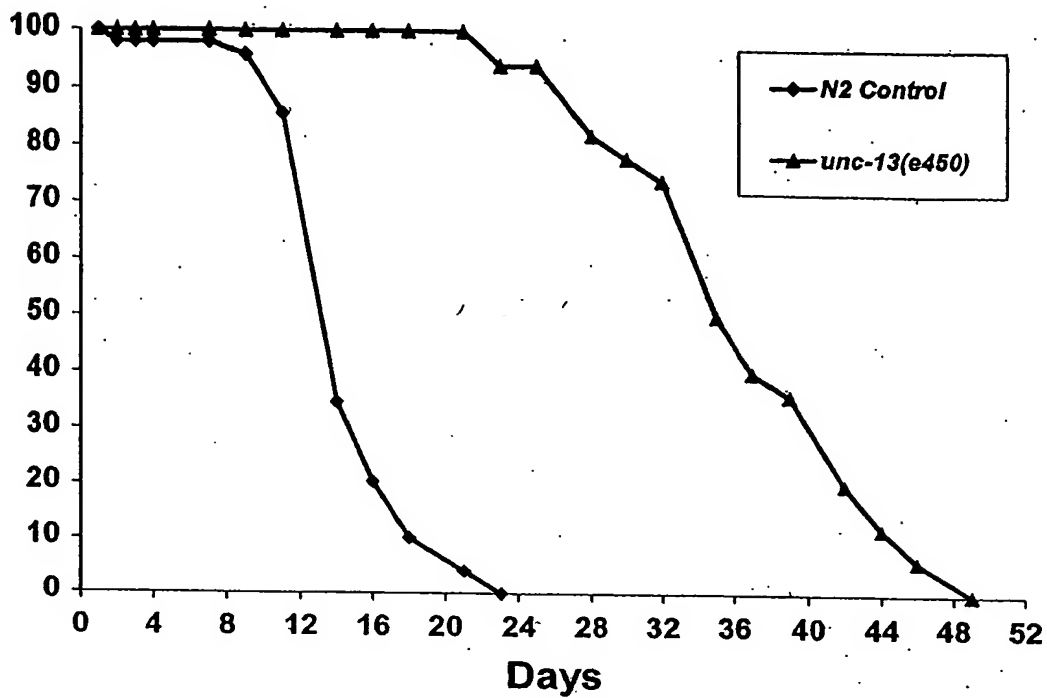
egl-8(n488): 25 ± 1.1 days

Figure 2



N2: 19.4 ± 0.4 days
dgk-1(nu62): 18.2 ± 0.4 days
dgk-1(sa748): 16.5 ± 0.5 days
goa-1(n363): 16.8 ± 1.0 days
goa-1(n1134): 18 ± 0.5 days
goa-1(sa734): 13.2 ± 1.0 days

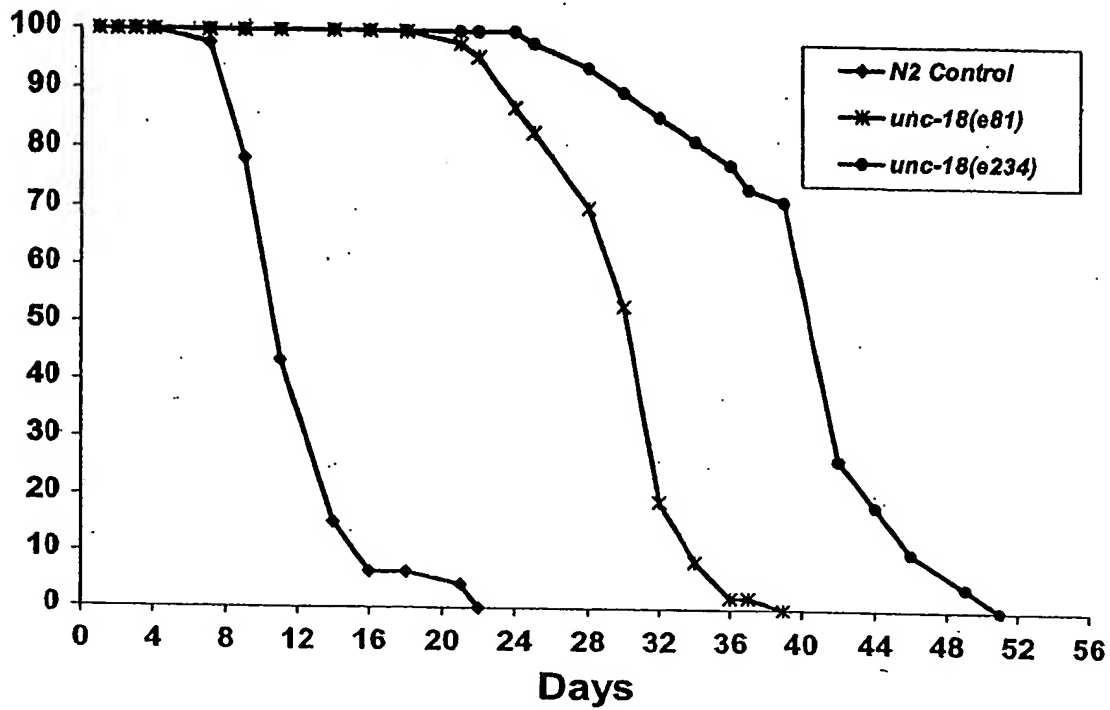
Figure 3



N2: 14.8 ± 0.5 days

unc-13(e450): 36.8 ± 1.0 days

Figure 4

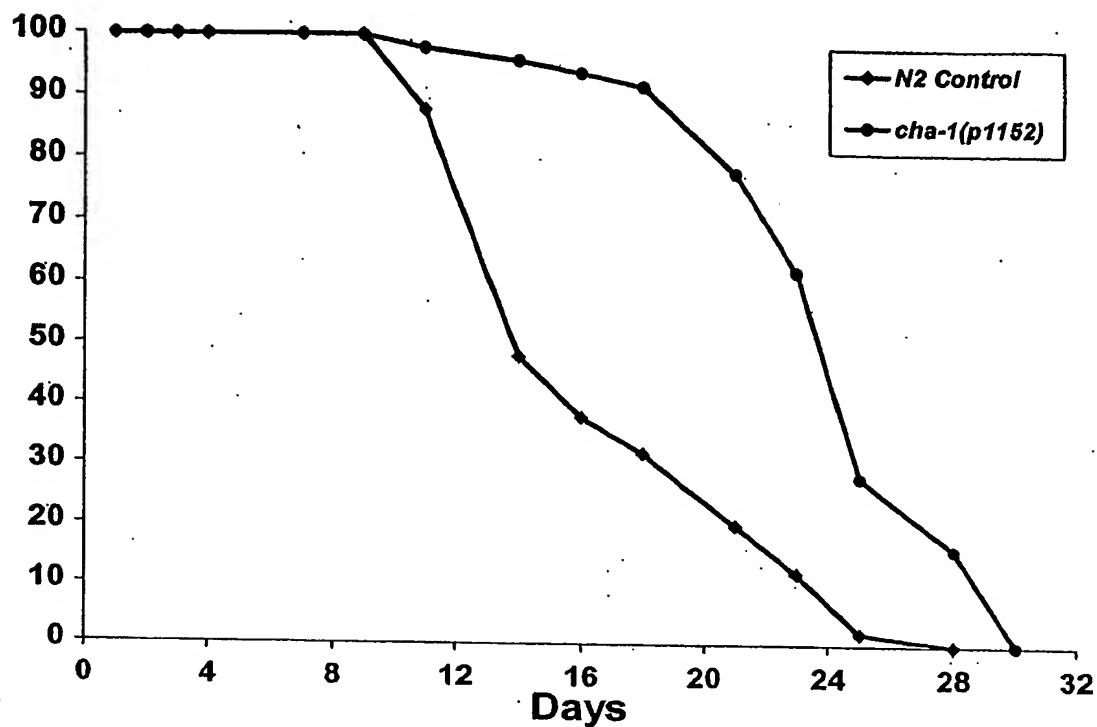


N2: 12.5 ± 0.5 days

unc-18(e81): 30.3 ± 0.6 days

unc-18(e234): 40.6 ± 0.9 days

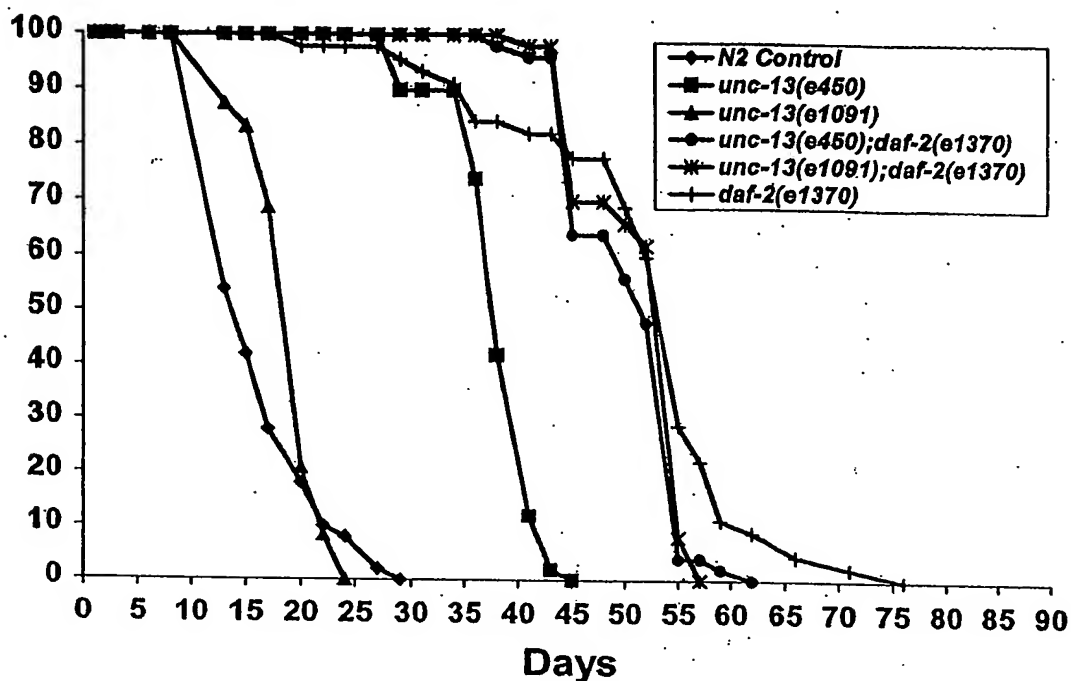
Figure 5



N2: 17 ± 0.7 days

cha-1(p1152): 24.5 ± 0.6 days

Figure 6



N2: 16.6 ± 0.7 days

unc-13(e450): 38.3 ± 0.6 days

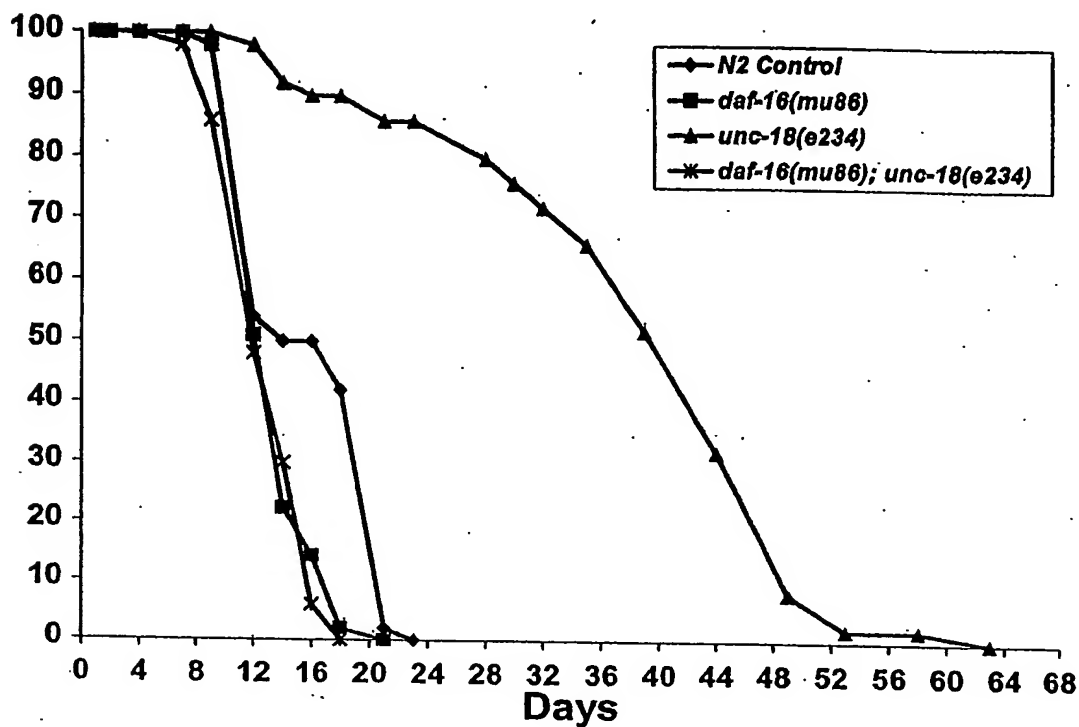
unc-13(e1091): 19.1 ± 0.4 days

daf-2(e1370): 52 ± 1.6 days

unc-13(e450); daf-2(e1370): 50.8 ± 0.7 days

unc-13(e1091); daf-2(e1370): 51.8 ± 0.7 days

Figure 7.



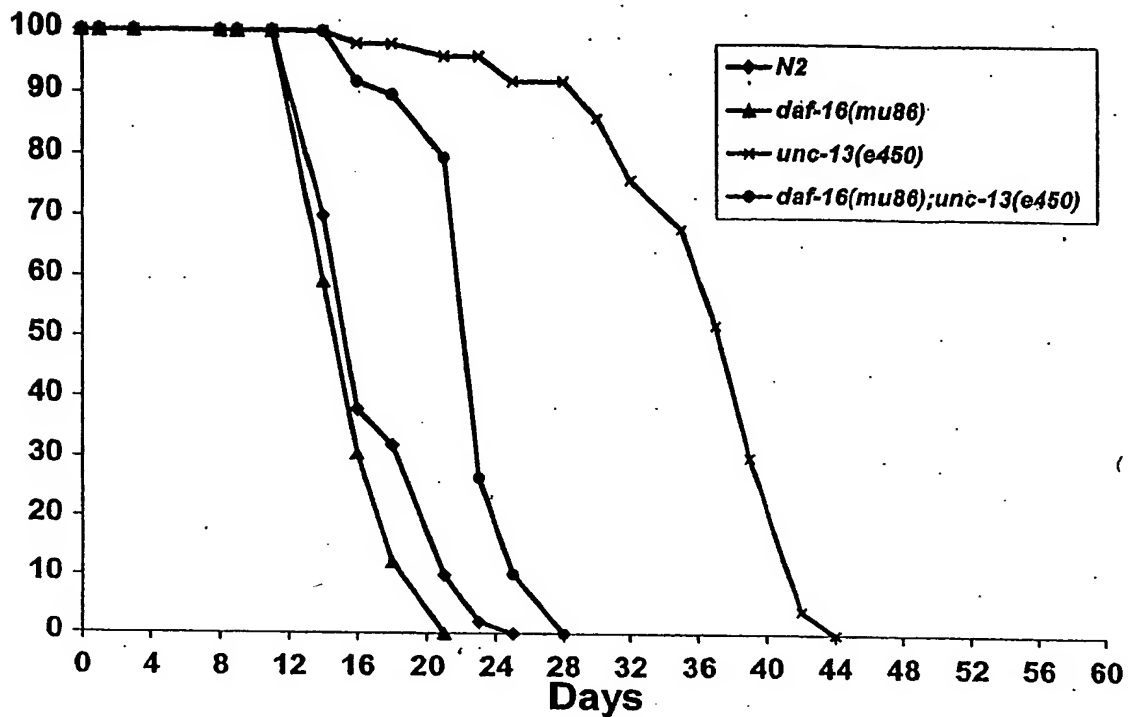
N2: 16.3 ± 0.6 days

daf-16(mu86): 13.8 ± 0.3 days

unc-18(e234): 36.5 ± 1.6 days

daf-16(mu86); unc-18(e234): 13.2 ± 0.4 days

Figure 8



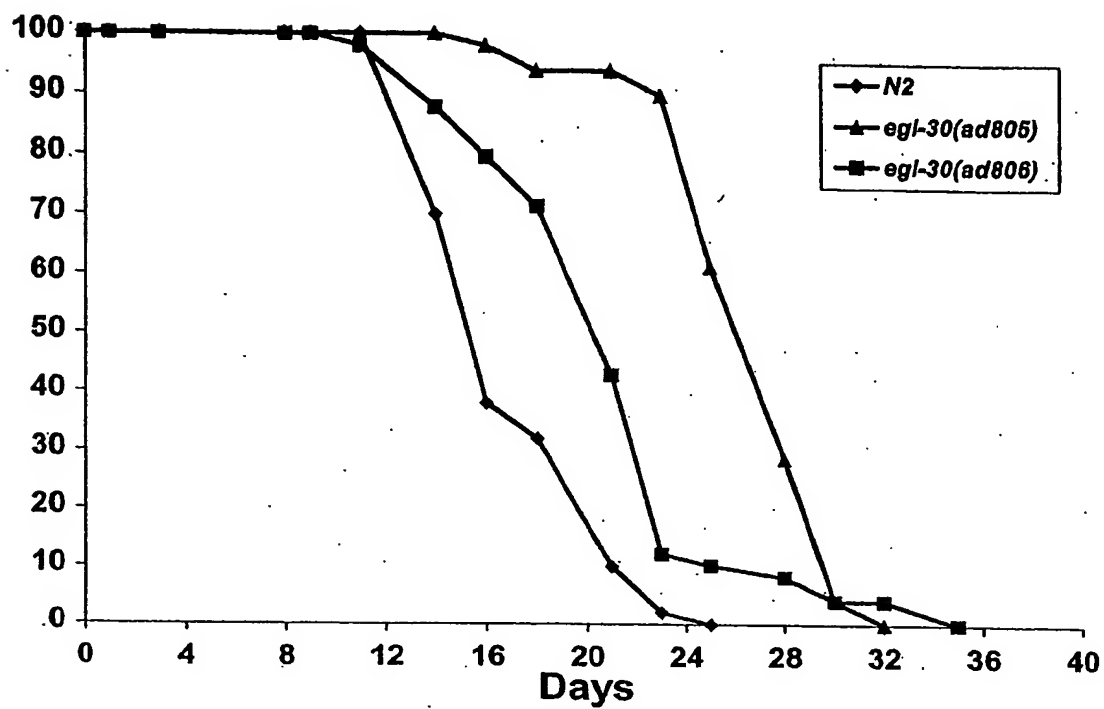
N2: 17.4 ± 0.5 days

daf-16(mu86): 16.2 ± 0.3 days

unc-13(e450): 36.7 ± 0.8 days

daf-16(mu86);unc-13(e450): 23 ± 0.4 days

Figure 9

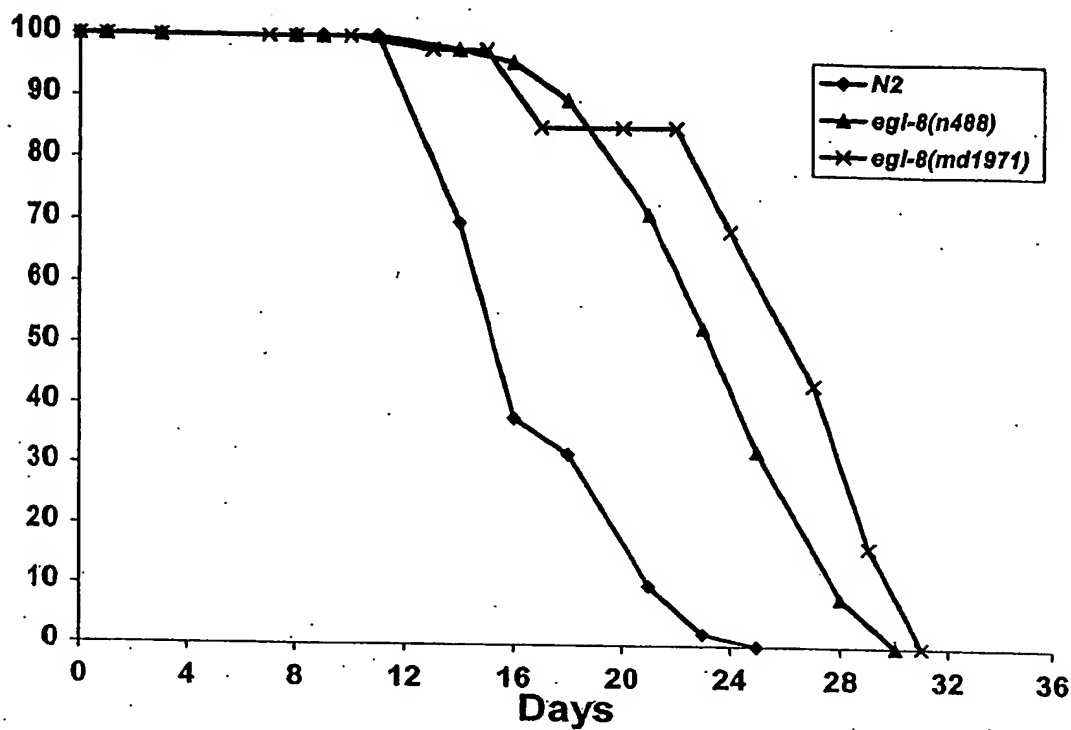


N2: 17.4 ± 0.5 days

egl-30(ad805): 26.9 ± 0.5 days

egl-30(ad806): 21.2 ± 0.7 days

Figure 10

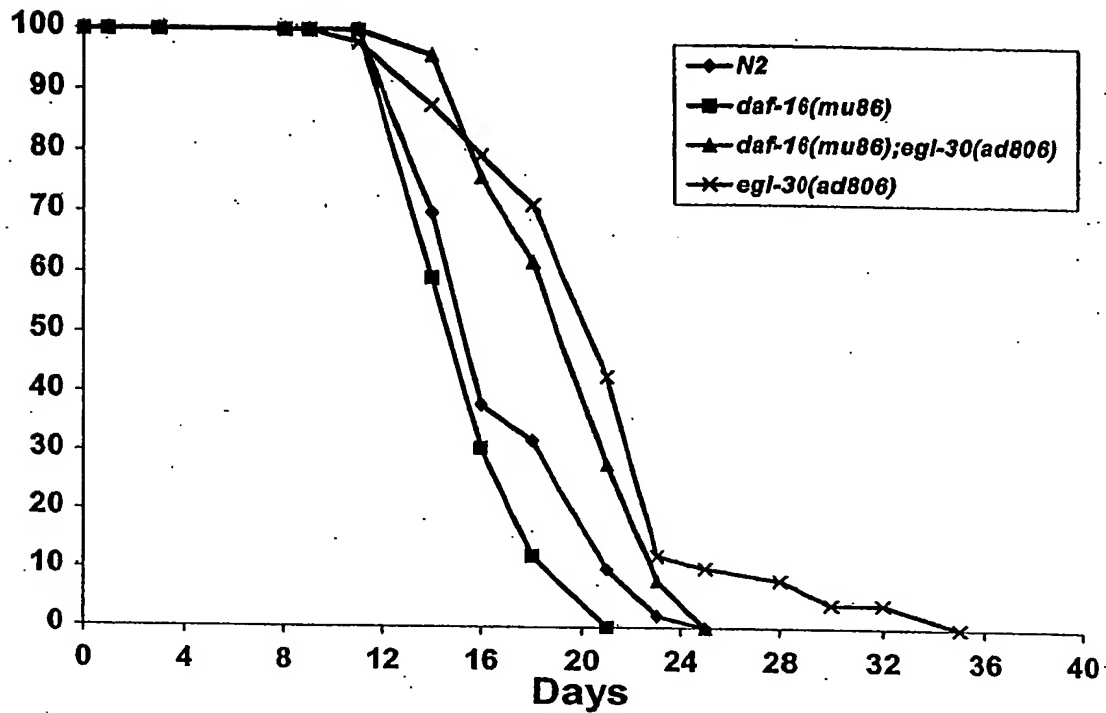


N2: 17.4 ± 0.5 days

egl-8(n488): 24.2 ± 0.5 days

egl-8(md1971): 26.2 ± 0.7 days

Figure 11



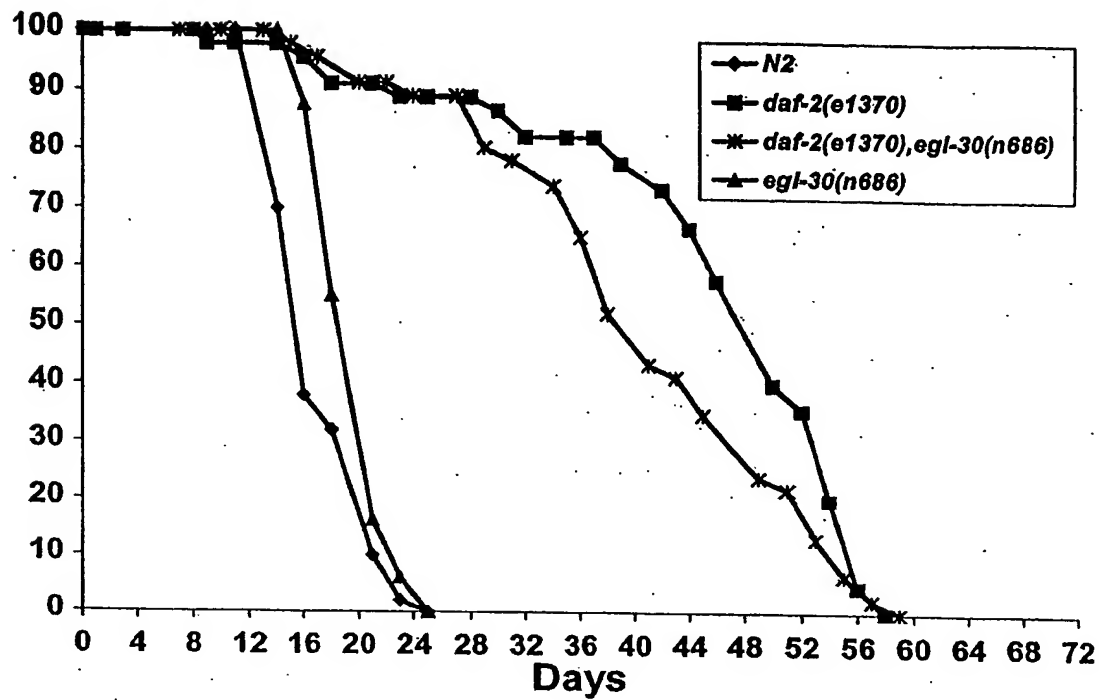
N2: 17.4 ± 0.5 days

daf-16(mu86): 16.2 ± 0.3 days

egl-30(ad806): 21.2 ± 0.7 days

daf-16(mu86);egl-30(ad806): 20.0 ± 0.4 days

Figure 12



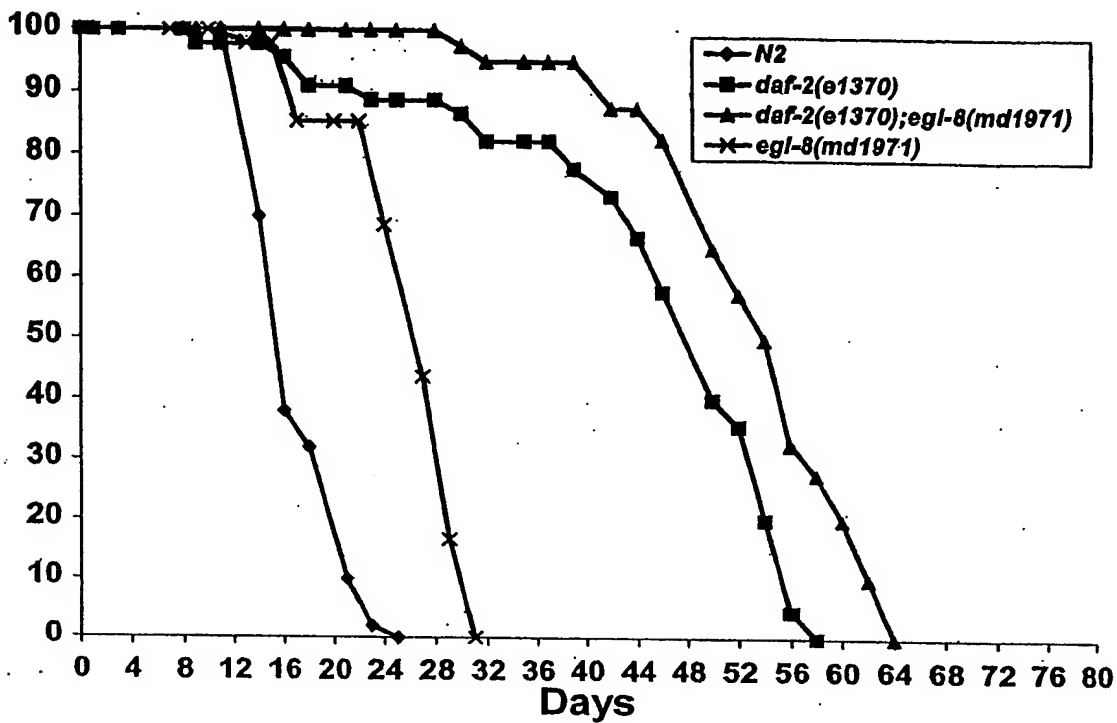
N2: 17.4 ± 0.5 days

daf-2(e1370): 45.5 ± 1.9 days

egl-30(n686): 19.9 ± 0.4 days

daf-2(e1370);egl-30(n686): 40.7 ± 1.7 days

Figure 13



N2: 17.4 ± 0.5 days

daf-2(e1370): 45.5 ± 1.9 days

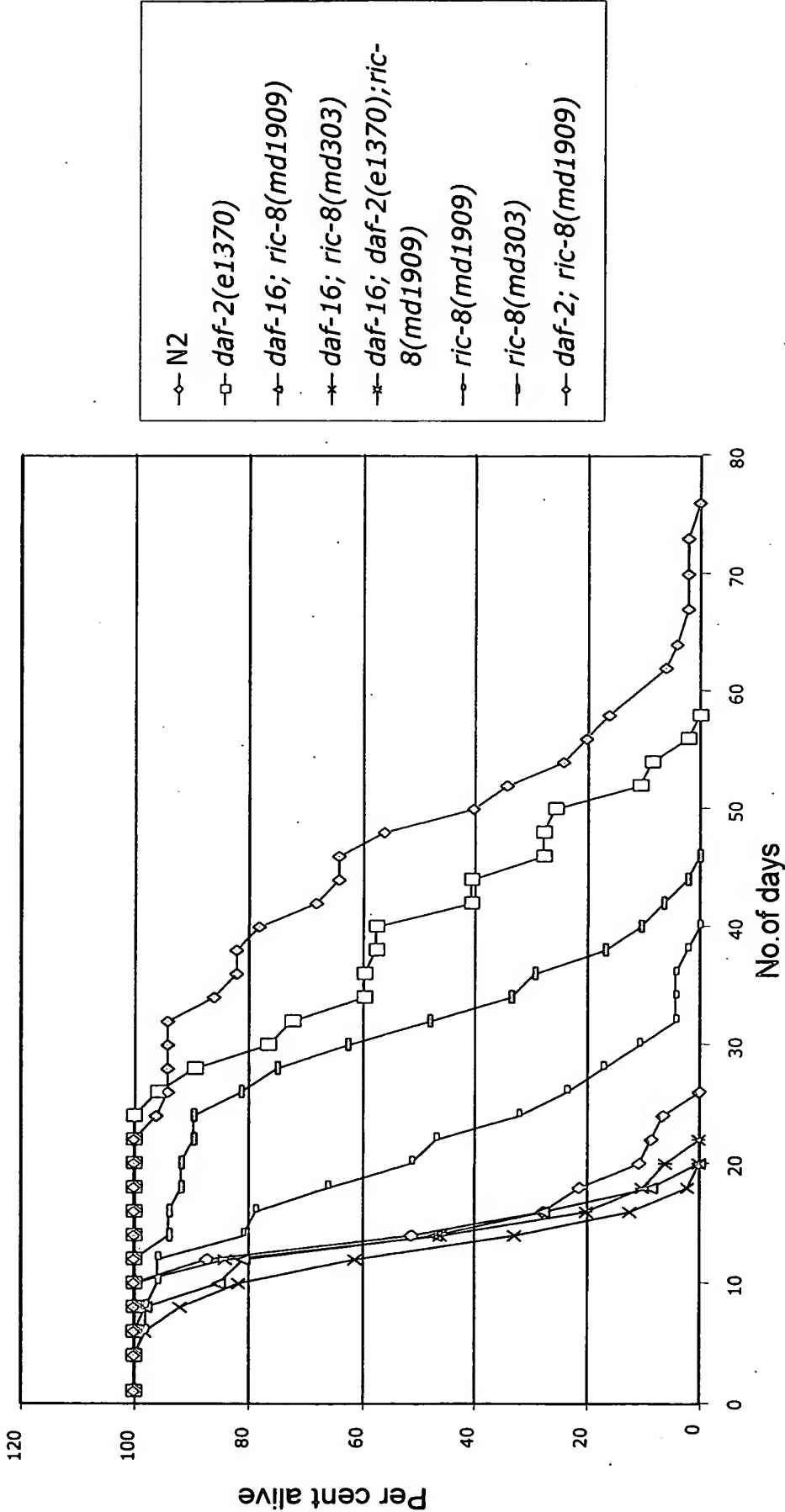
egl-8(md1971): 26.2 ± 0.7 days

daf-2(e1370);egl-8(md1971): 53.5 ± 1.3 days

Figure 14

Life span of *ric-8* mutants

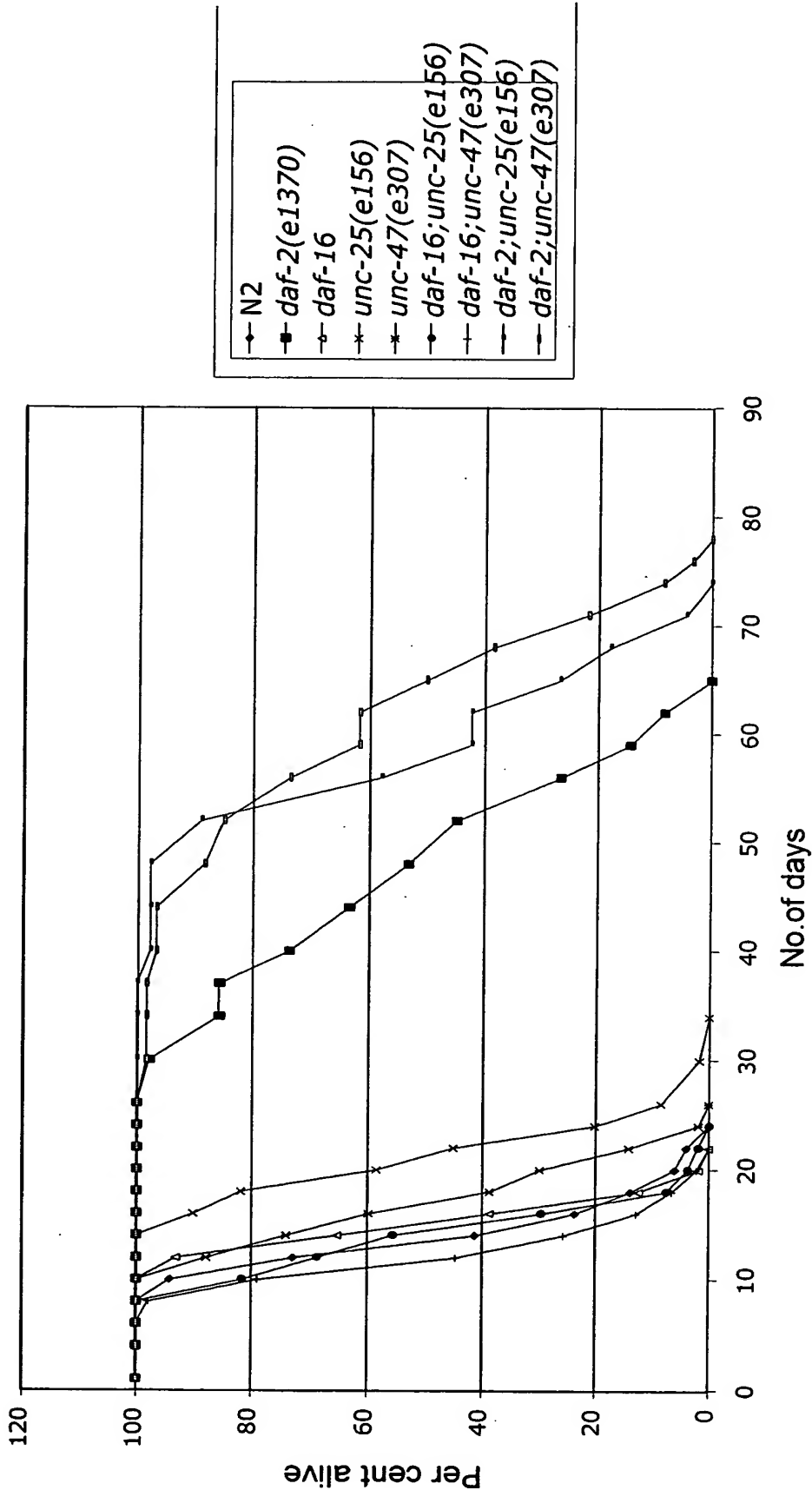
Figure 15



Mean lifespan	16.255319	41.0212766	14.93617	13.5918367	22.1702128	32.2916667	48.46
SD	3.7272321	9.639213709	2.9993209	2.9960407	2.61105343	7.40483607	10.0893627
No. of worms	47	47	47	49	50	48	50
Standard error	0.5436727	1.406023826	0.4374959	0.42800581	0.36925872	1.06879602	1.42685136
Maximum	26	58	20	20	22	46	76

Life span of GABA defective mutants

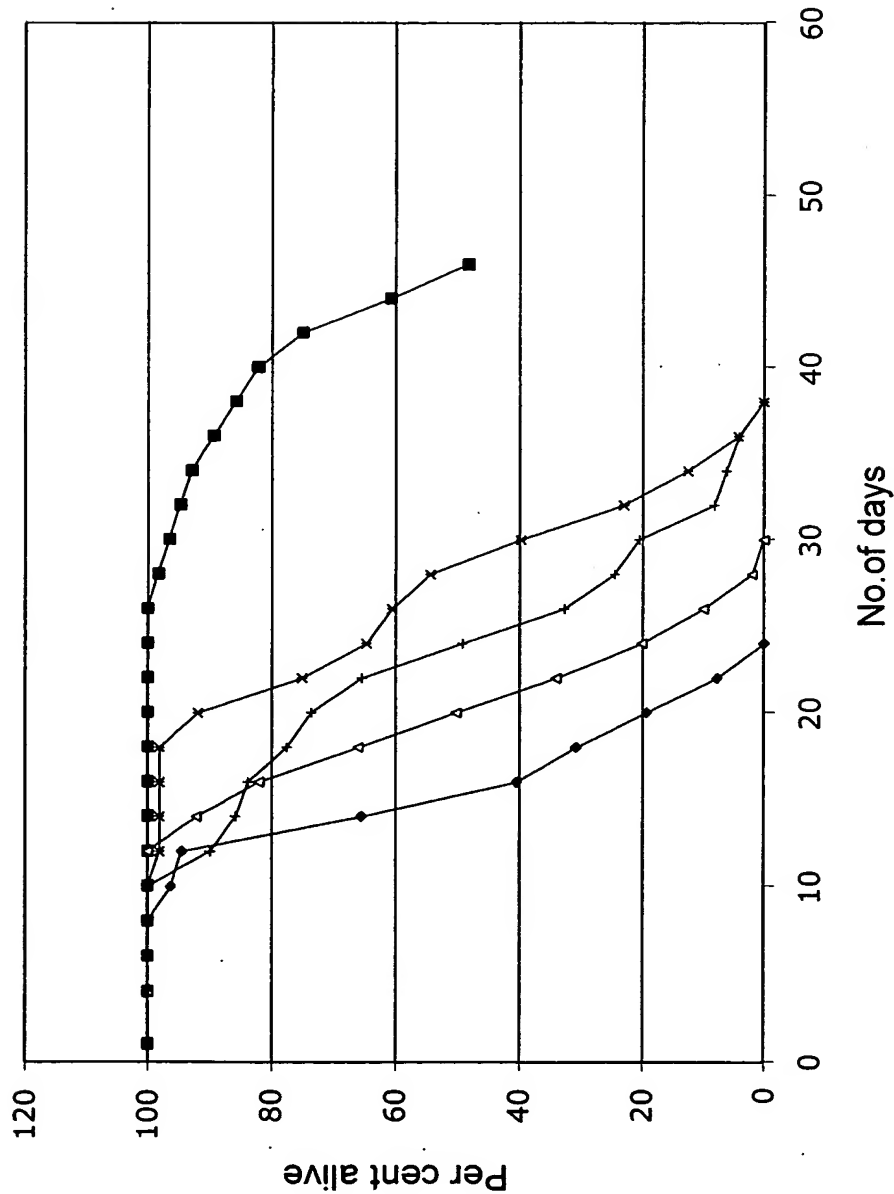
Figure 16



Mean lifespan	15.098039	49.91836735	16.210526	22.28333333	18.1052632	14.962963	13.3617021	61.0222222	63.9333333
SD	3.297384	9.993542271	2.3600241	3.86476246	3.95449649	3.3936922	3.0347318	4.12993355	10.1289464
No. of worms	51	49	57	60	57	54	47	45	60
Standard error	0.4617261	1.427648896	0.3125928	0.49893869	0.52378586	0.46182301	0.44286113	0.61565414	1.30764136
Maximum	24	65	22	33	26	24	22	74	78

Life span of *egl-30;unc-25* mutant

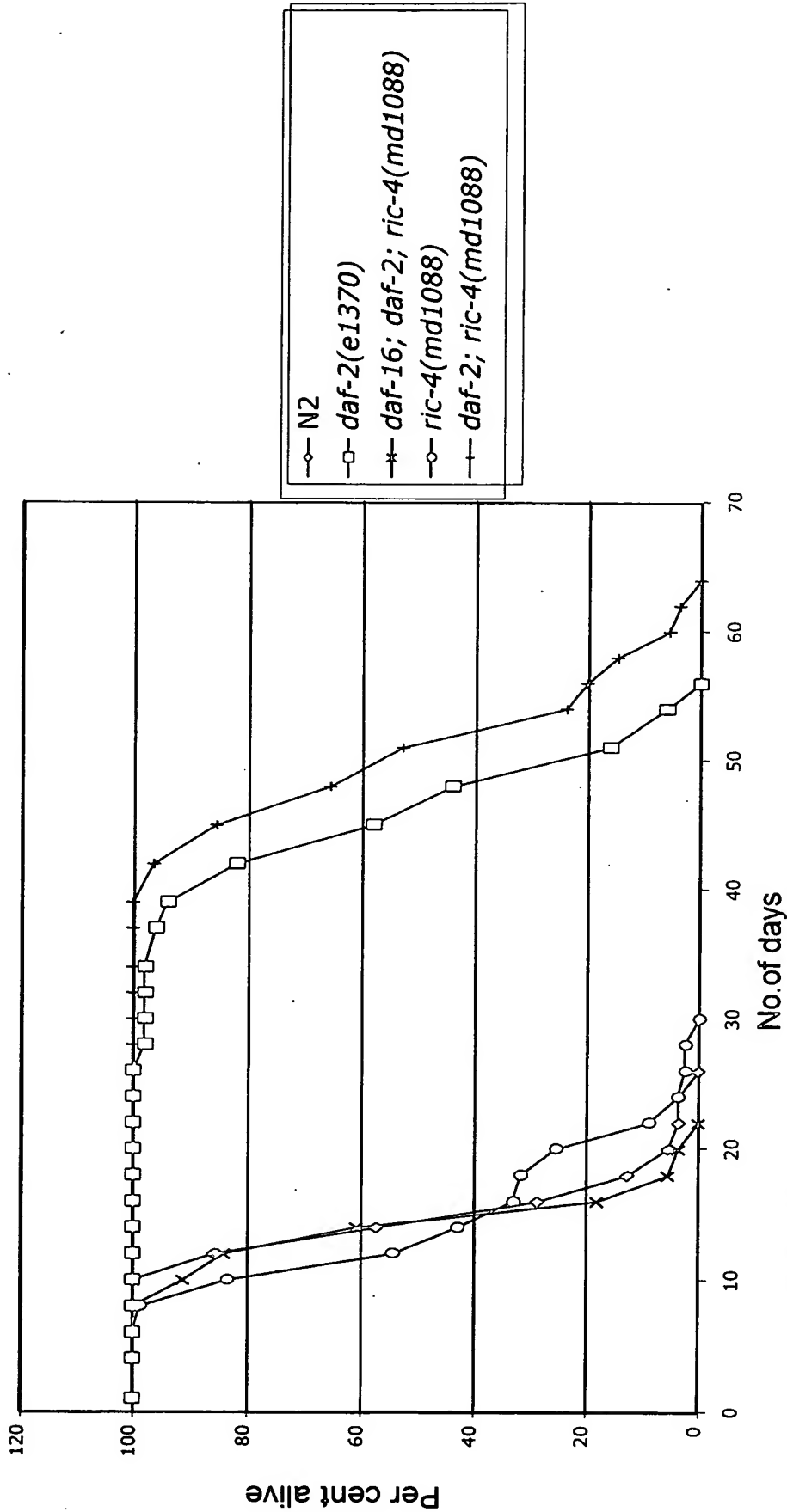
Figure 17



Mean lifespan	17.076923	21.32142857	21.12	28.33333333	24.4081633
SD	3.6047306	14.74056886	4.1791865	5.79271573	6.88066907
No. of worms	52		50	48	49
Standard error	0.4998862	#DIV/0!	0.5910262	0.8361065	0.98295272
Maximum	24		30	38	38

Life span of *ric-4* mutants

Figure 18



Mean lifespan	15.928571	47.68	15.25	15.7468354	52.3454545
SD	3.069767	5.327062981	2.6066536	5.27105388	5.36391371
No. of worms	56	50	56	79	55
Standard error	0.4102149	0.753360471	0.3483287	0.59303989	0.72326998
Maximum	26	56	22	30	64

Neurosecretory control of aging in *C. elegans*

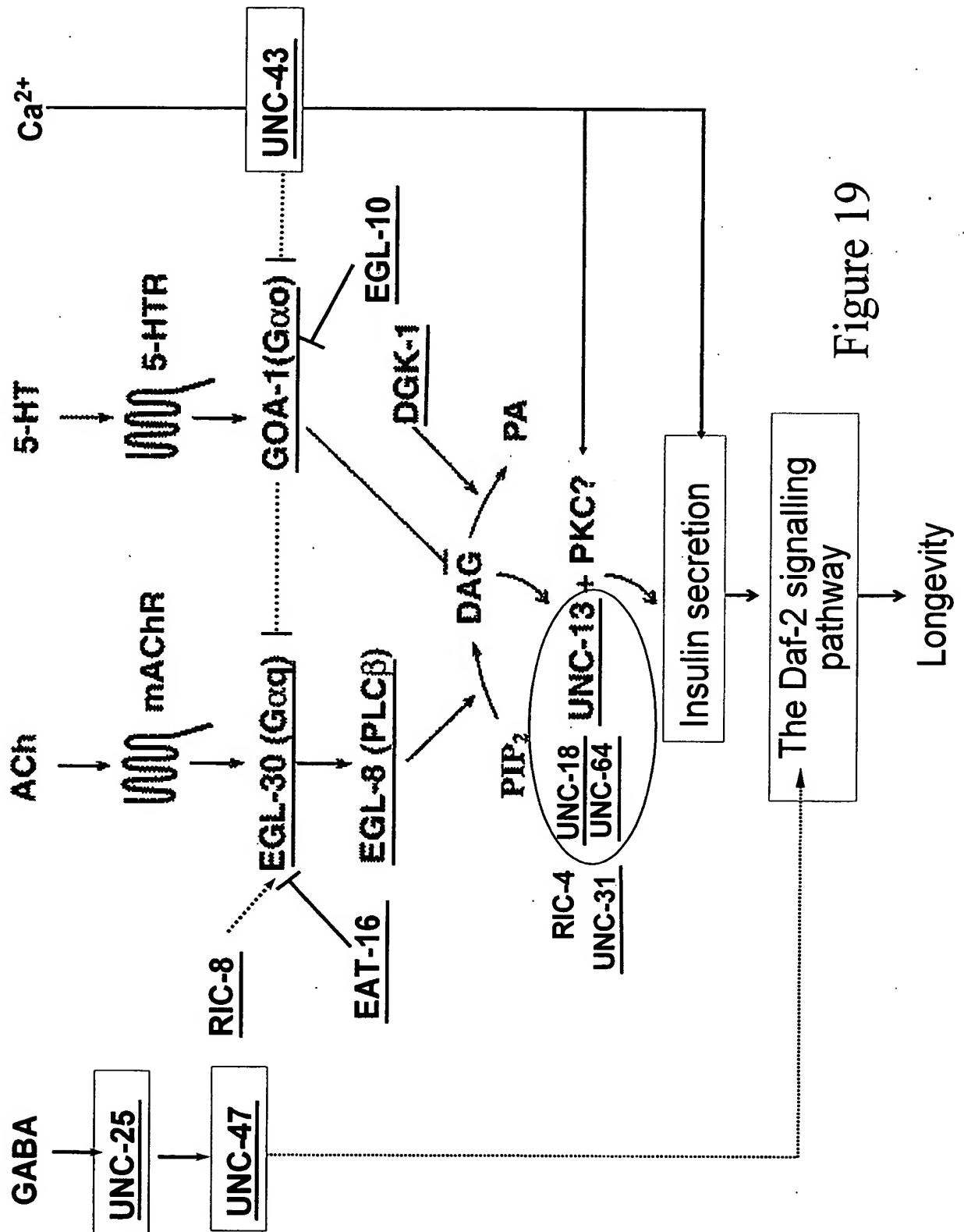


Figure 19

How many ways to live longer? Figure 20

